

Floats joined by lines for clarity only.  
Lines are not intended as actual paths of travel.

Discharge measurement  
Upstream side  
State Highway 14 bridge  
Date 10-21-80  
Stage (ft).....127.66  
Discharge (ft<sup>3</sup>/s)...17,900  
Mean Vel. (ft/s).....2.57

BOULDIN TAILRACE CANAL

Water-surface elevation  
not available.

Velocities obtained at points indicated by triangle symbol.

Depth (ft)	Obs. Depth (ft)	Velocity (ft <sup>3</sup> /s)	Time
36.5	.2	2.80	0855
	.8	2.29	
38.0	.2	3.32	
	.8	3.21	
39.0	.2	2.86	
	.8	2.74	

PHOTOGRAPH TAKEN AT AN EARLIER DATE

COOSA RIVER-WALTER BOULDIN DAM TAILRACE CANAL

SCALE: 1 inch = 630 feet (APPROX)

Aerial photograph furnished by the U.S. Army Corps of Engineers.

Figure 14.- Aerial photograph showing results of the float study and velocity observations on October 21, 1980.